

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	)	Confirmation No.: 7583
Shunpei YAMAZAKI et al.	)	Examiner: Stanetta D. Isaac
Application No. 10/020,961	)	Group Art Unit: 2812
Filed: December 19, 2001	)	
For: METHOD OF MANUFACTURING	)	April 1, 2005
SEMICONDUCTOR DEVICE AND	)	
SEMICONDUCTOR DEVICE	)	

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop **AMENDMENT**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the foreign and non-patent documents is enclosed.

Please note that documents 1 and 36-39 were cited in U.S. Patent Application Nos. 08/609,747 and 10/946,072. Documents 3, 7, 8, 10-23, 28-30 and 34 were cited in U.S. Patent Application No. 10/046,893. Documents 2, 4, 5, 7, 13, 15, 25 and 35 were cited in U.S. Patent Application No. 10/227,549. Also, documents 24 and 33 are family patents of document 35.

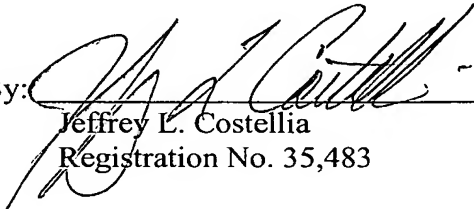
Documents 6, 26, 27 and 31 were cited in U.S. Patent Application No. 10/058,158. Document 9 is a patent application publication of U.S. Patent Application No. 10/016,893. Document 32 is a patent issuing from U.S. Patent Application No. 08/609,747.

The Commissioner is hereby authorized to charge the fees connected with this filing, in the amount of \$180, which is required in compliance with the provisions of 37 C.F.R. § 1.97(c), or credit any overpayment to Deposit Account No. 19-2380.

04/05/2005 SZEWDIE1 00000008 192380 10020961  
01 FC:1806 180.00 DA

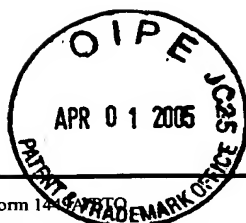
It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initial a copy of this form be returned to the undersigned.

Respectfully submitted,

By:   
Jeffrey L. Costellia  
Registration No. 35,483

NIXON PEABODY LLP  
Suite 900  
401 9<sup>th</sup> Street, N.W.  
Washington, DC 20004-2128  
Telephone: (202) 585-8000

JLC/BCO



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>			
				Application Number		10/020,961	
				Filing Date		December 19, 2001	
				First Named Inventor		Shunpei YAMAZAKI et al.	
				Art Unit		2812	
				Examiner Name		Stanetta D. Isaac	
Sheet	1	of	2	Attorney Docket Number		740756-2410	

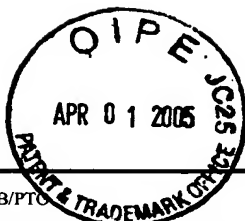
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1	US-5,712,203	01-27-1998	HSU	
	2	US-5,767,530	06-16-1998	HA	
	3	US-6,013,544	01-11-2000	MAKITA et al.	
	4	US-6,057,557	05-02-2000	ICHIKAWA	
	5	US-6,157,421	12-05-2000	ISHII	
	6	US-6,306,694 B1	10-23-2001	YAMAZAKI et al.	
	7	US-6,355,509 B1	03-12-2002	YAMAZAKI	
	8	US-6,383,852 B2	05-07-2002	ZHANG et al.	
	9	US-2002/0094612 A1	07-18-2002	NAKAMURA et al.	
	10	US-2002/0098628 A1	07-25-2002	HAMADA et al.	
	11	US-6,426,276 B1	07-30-2002	OHNUMA et al.	
	12	US-2002/0102764 A1	08-01-2002	YAMAZAKI et al.	
	13	US-2002/0102776 A1	08-01-2002	YAMAZAKI et al.	
	14	US-2002/0125480 A1	09-12-2002	NAKAMURA et al.	
	15	US-2002/0134981 A1	09-26-2002	NAKAMURA et al.	
	16	US-6,461,943 B1	10-08-2002	YAMAZAKI et al.	
	17	US-2002/0151120 A1	10-17-2002	YAMAZAKI et al.	
	18	US-2002/0155652 A1	10-24-2002	YAMAZAKI et al.	
	19	US-2002/0182783 A1	12-05-2002	TAKAYAMA et al.	
	20	US-2002/0182785 A1	12-05-2002	MIYAIRI	
	21	US-2002/0182828 A1	12-05-2002	ASAMI et al.	
	22	US-2002/0197785 A1	12-26-2002	YAMAZAKI et al.	
	23	US-2003/0008439 A1	01-09-2003	OHNUMA	
	24	US-6,518,102 B1	02-11-2003	TANAKA et al.	
	25	US-6,542,143 B1	04-01-2003	OZAWA	
	26	US-6,551,907 B2	04-22-2003	OHTANI	
	27	US-6,555,448 B2	04-29-2003	FUKUSHIMA	
	28	US-2003/0082859 A1	05-01-2003	ICHIJO et al.	
	29	US-2003/0089911 A1	05-15-2003	KASAHARA et al.	
	30	US-2003/0122129 A1	07-03-2003	YAMAZAKI et al.	
	31	US-6,599,785 B2	07-29-2003	HAMADA et al.	
	32	US-6,830,617 B1	12-14-2004	OHTANI et al.	
	33	US-6,855,580 B2	02-15-2005	TANAKA et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	34	JP 11-297703		10-29-1999	NAOKI		AB
	35	JP 08-330602		12-13-1996	TANAKA et al.		AB

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



<b>Substitute for form 1449B/PTC</b> <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>			
				Application Number		10/020,961	
				Filing Date		December 19, 2001	
				First Named Inventor		Shunpei YAMAZAKI et al.	
				Group Art Unit		2812	
				Examiner Name		Stanetta D. Isaac	
Sheet	2	of	2	Attorney Docket Number		740756-2410	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	36	A. OURMAZD, "Gettering of Impurities in Silicon", Mat. Res. Soc. Symp. Proc., 1986, pgs. 331-340, Vol. 59, Materials Research Society.	
	37	A. OURMAZD et al., "Gettering of Metallic Impurities in Silicon", Mat. Res. Soc. Symp. Proc., 1985, pgs. 25-30, Vol. 36, Materials Research Society.	
	38	K. GRAFF et al., "Palladium-Test: A Tool to Evaluate Gettering Efficiency", Mat. Res. Soc. Symp. Proc., 1985, pgs. 19-24, Vol. 36, Materials Research Society.	
	39	E. G. COLAS et al., "Quantitative Study of Metal Gettering in Silicon", Mat. Res. Soc. Symp. Proc., 1986, pgs. 341-346, Vol. 59, Materials Research Society.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.